Erratum

Volume **6**, No. 3 (1973), in the article "An Analysis of the Rare Earth Contribution to the Magnetic Anisotropy in RCo_5 and R_2Co_{17} Compounds," by J. E. Greedan and V. U. S. Rao, pp. 387–395:

An error was discovered in the calculations used to prepare Figs. 3 and 4. A corrected version of Fig. 3 appears below. These new results do not alter any conclusions drawn in the previous text.

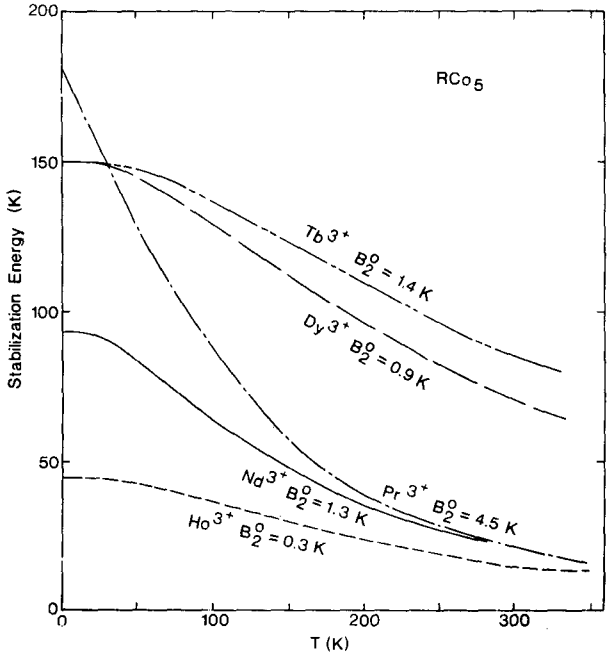

FIGURE 3

Briefly, the new calculations summarized below involved a determination of the free energies for both the easy axis and easy plane configurations represented by Hamiltonians (4) and (5), respectively, using the well-known expression $A = -kT\ln Z$ where A is the free energy and Z is the partition function. The difference between free energies of the easy axis and easy plane configurations is the stabilization energy as described in the original paper.

Concerning Fig. 4, recent diffraction results[1] indicate the Th_2Ni_{17} structure assumed for Er_2Co_{17}, Tm_2Co_{17}, and Yb_2Co_{17} is probably incorrect. New calculations for these compounds will be discussed in a forthcoming publication.

[1] D. Givord, F. Givord, R. Lemaire, W. J. James, and J. S. Shah, *J. Less-Common Metals* **29**, 389 (1972).